



AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2018-07-25-09 Date: 28-07-2018
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Package-1, Includes 3 works of Rs.200.00 Lakhs 1) Improvements to Roads and Drains at Sadiq Layout(Defence Layout) in Ward No.06 Byatarayanapura Sub Division. 2) Improvements to Roads and Drains at Manjunathnagara in Ward No.06 Byatarayanapura Sub Division. 3) Improvements of Drains and RCC Culverts at Hegadenagara 9th Cross to 13th Cross in Ward No.06 Byatarayanapura Sub Division.
Agency : Sri.M.Venkatesh, Chikkanahalli, Vijayapura, Bangalore Rural 562135.
Customer's Reference : BBMP/EE/BTP/WO/61/2018-19
Consultants : M/s Rudraprasad Consultants
Sample Condition : Satisfactory
Date of Receipt : 25-07-2018
Sample ID No : 2018-07-25-09 /01
Sample Type : ACC 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6
Date of test : 26-07-2018
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.52	—
2	Fineness by Air permeability method (m ² /kg, Min)	298.3	225m ² /kg, Min
3	Density (gm/cc)	3.13	—
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	165 minutes	Not less than 30 minutes
6	Final Setting time	250 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R. KARTHIK RECHAN

Authorized Signatory
Quality Manager



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****End of Report****

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